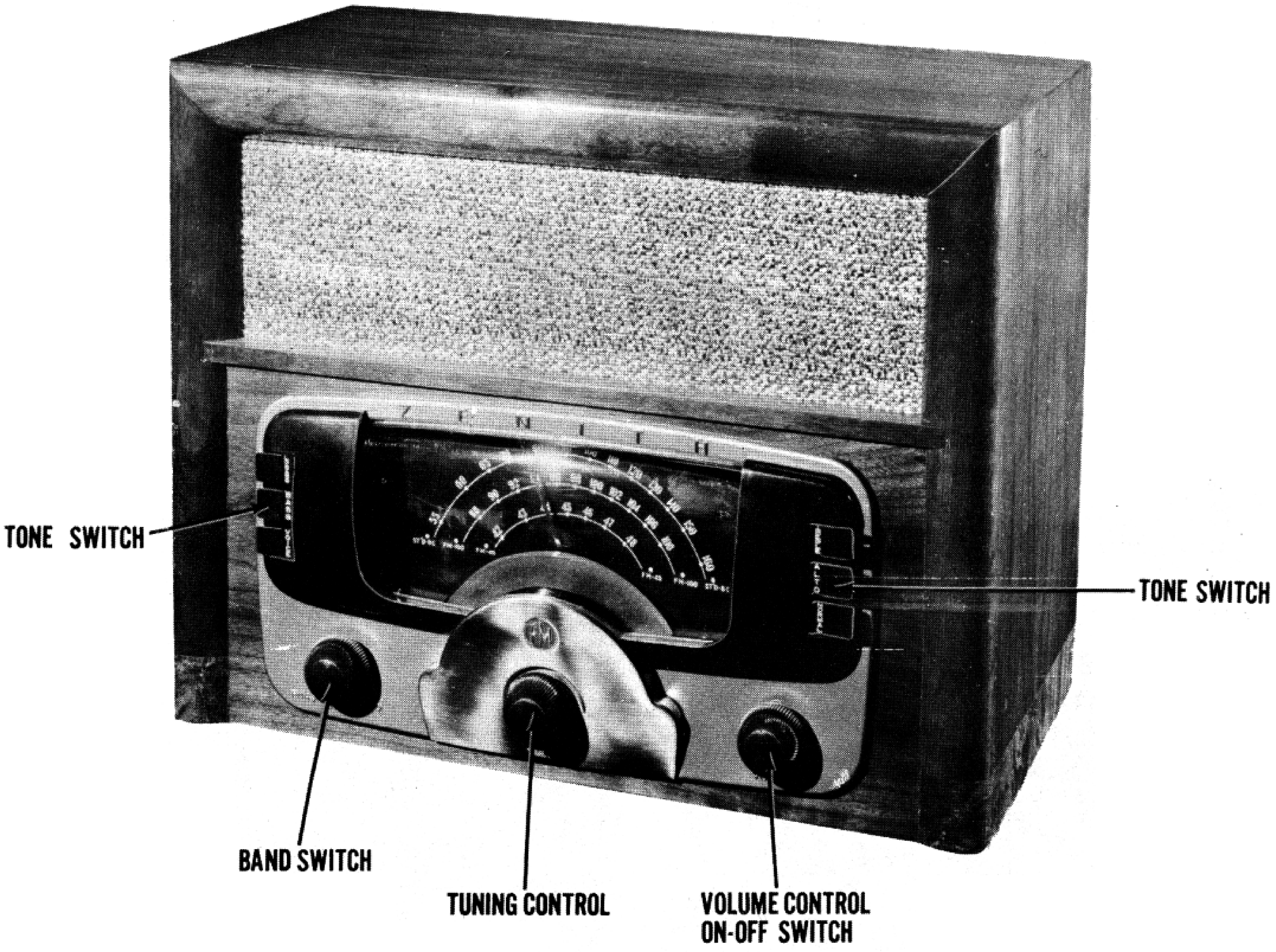
PHOTOFACT* Folder
*TRADE MARK

ZENITH MODELS 8H832, 8H861 (Ch. 8E20)

ZENITH MODELS 8H832, 8H861 (Ch. 8E20)



ZENITH MODELS 8H832, 8H861 (Ch. 8E20)

ZENITH MODEL 8H832

TRADE NAME	Zenith, Models 8H832, 8H861 (Ch. 8E20)
MANUFACTURER	Zenith Radio Corp., 6001 Dickens Ave., Chicago 39, Ill.
TYPE SET	AC Operated AM-2 Band FM Superheterodyne Receiver with Loop Antenna
TUBES (EIGHT)	Types, 6BA6 RF Amp., 6BE6 Converter, 6BA6 1st IF Amp., 6AU6 2nd IF Amp., 6AU6 Limiter, 6T8 Det.-AVC-AF, 6V6GT Power Output, 5Y3GT Rectifier.
POWER SUPPLY	110-120 Volts AC RATING .75 Amp. @ 117 Volts AC
TUNING RANGE-BROADCAST	540-1620KC FM 45- 42-48.5MC, FM100- 88-108MC

HOWARD W. SAMS & CO., INC. • 2924 East Washington Street • Indianapolis 7, Indiana

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DATE 12/48-#4822-24 SET #52-FOLDER #24

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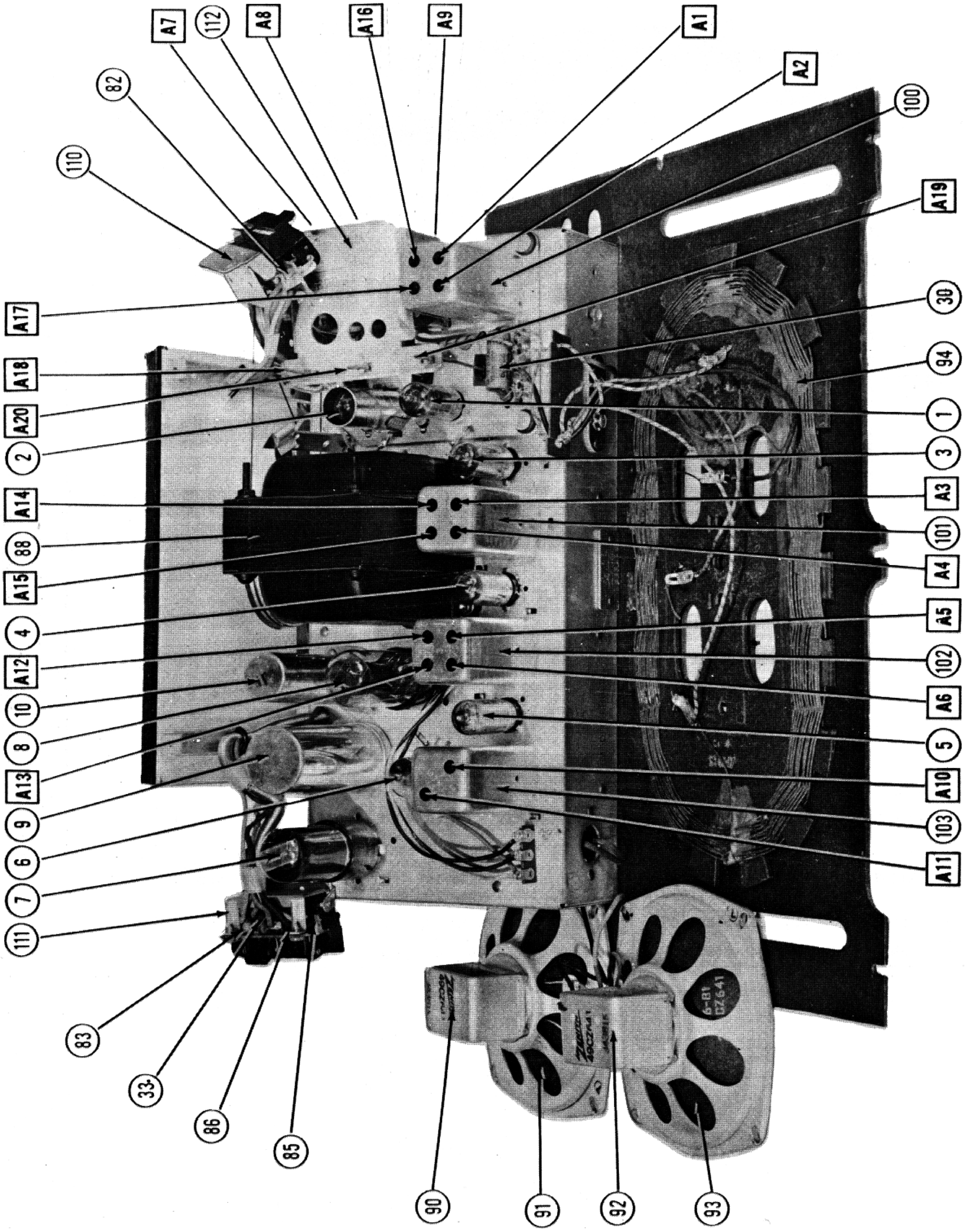

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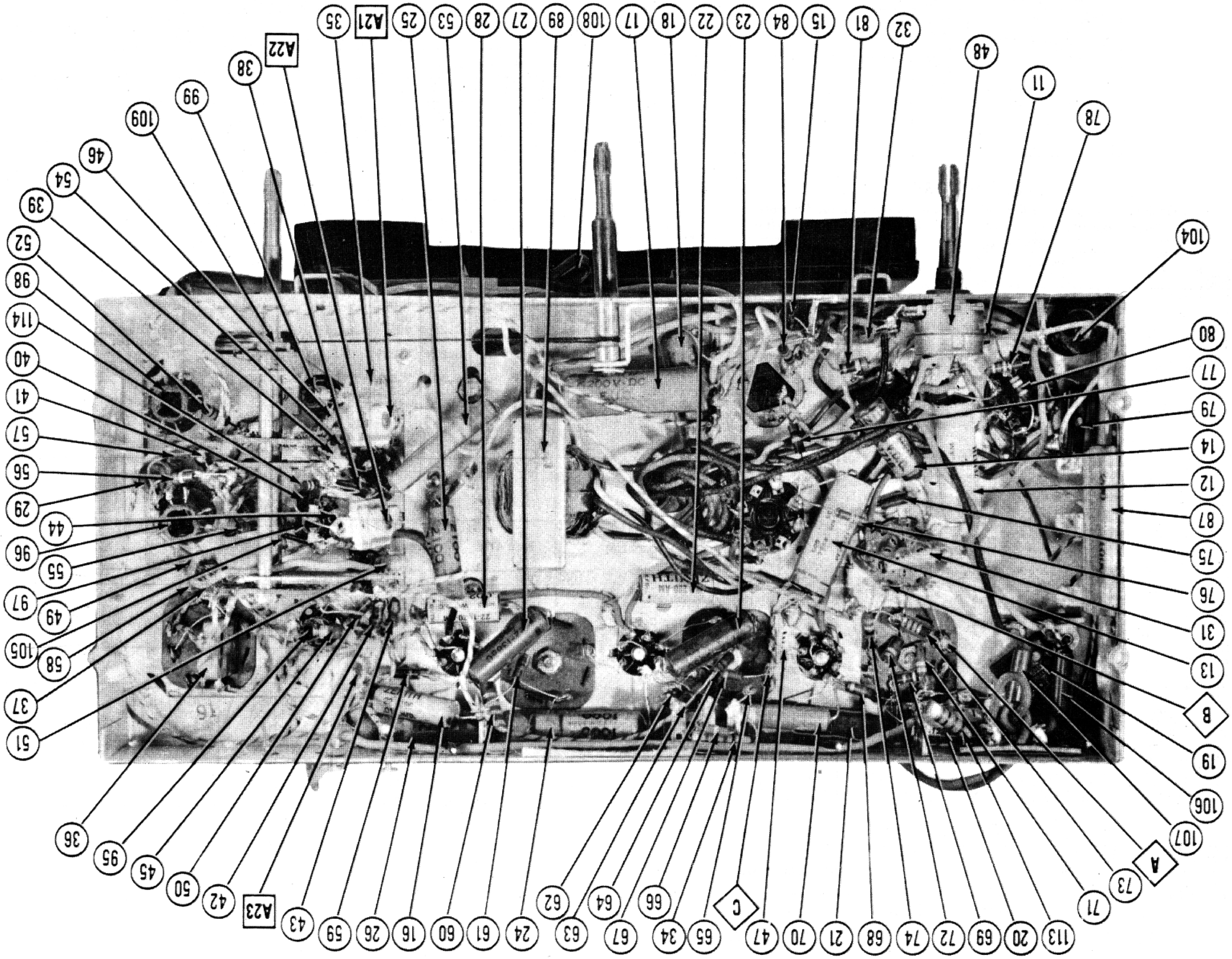
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PARTS LIST AND DESCRIPTIONS

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	INSTALLATION NOTES
		ZENITH PART No.	STANDARD REPLACEMENT		
1	RF Amp.	6BA6	6BA6	7BK	
2	Converter	6BE6	6BE6	7CH	
3	1st IF Amp.	6BA6	6BA6	7BK	
4	2nd IF Amp.	6AU6	6AU6	7BK	
5	Limiter	6AU6	6AU6	7BK	
6	Det.-AVC-AF	6T8	6T8		
7	Power Output	6V6GT	6V6GT	7AC	
8	Rectifier	5Y3GT	5Y3GT	5T	

CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING		REPLACEMENT DATA					IDENTIFICATION CODES AND INSTALLATION NOTES
	CAP.	VOLT	ZENITH PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	SOLAR PART No.	SPRAGUE PART No.	
9A	40	450	22-1720		UP4445C	DY-314	D5172	◓ Filter
B	40	450						■ "
C	40	25						▲ Output Cathode Bypass
10	40	450	22-1573	AF8J	UP4045	DY-40-450	EL-4	Decoupling
11	.0022	600	22-1754	684-002	GT6D2	ST-6-002	TC-22	Tone Compensation
12	.05	600	22-171	684-05	GT6S5	ST-6-05	TC-15	Audio Coupling
13	.05	600	22-171	684-05	GT6S5	ST-6-05	TC-15	AF Plate Decoupling
14	.01	400	22-1718	484-01	GT4S1	ST-4-01	TC-11	Audio Coupling
15	.001	200	22-1717	484-001	GT6D1	ST-6-001	TC-21	Tone Compensation
16	.01	600	22-196	684-01	GT6S1	ST-6-01	TC-11	RF Bypass Pwr. Supply
17	.2	200	22-1531	484-.2	GT4P2	ST-4-2	TC-2	Tone Compensation
18	.02	600	22-830	684-02	GT6S2	ST-6-02	TC-12	Audio Coupling
19	.005	400	22-1041	484-005	GT6D5	ST-6-005	TC-25	Line Filter
20	.002	600	22-1220	684-002	GT6D2	ST-6-002	TC-22	Lim. Plate Decoup.
21	.01	200	22-1385	484-01	GT2S1	ST-4-01	TC-11	Lim. Screen Byp.
22	.002	600	22-1220	684-002	GT6D2	ST-6-002	TC-22	2nd IF Plate Decoup.
23	.01	200	22-1385	484-01	GT2S1	ST-4-01	TC-11	2nd IF Screen Byp.
24	.05	400	22-829	484-05	GT4S5	ST-4-05	TC-15	2nd IF Cathode Byp.
25	.01	200	22-1385	484-01	GT2S1	ST-4-01	TC-11	Filament Bypass
26	.05	400	22-829	484-05	GT4S5	ST-4-05	TC-15	1st IF Cathode Bypass
27	.01	200	22-1385	484-01	GT2S1	ST-4-01	TC-11	1st IF Screen Bypass
28	.002	600	22-1220	684-002	GT6D2	ST-6-002	TC-22	1st IF Plate Decoupling
29	.05	200	22-829	484-05	GT2S5	ST-4-05	TC-15	AVC Filter
30	.05	200	22-829	484-05	GT2S5	ST-4-05	TC-15	" "
31	100	500	22-365	1468-0001	5W5T1	MO.5-31	1FM-31	AF Plate Bypass-Cer.
32	75	500	22-1256	1468-000075	5W5Q7	MOS.5-47	1FM-475	Tone Compensation
33	250	500	22-1136	1468-00025	5W5T25	MO.5-325	1FM-325	" "
34	100	500	22-1669	1469-0001	5R5T1	MOS.5-31	MS-31	Diode RF Filter-Cer.
35	55	500	22-1691					Fixed Pad "
36	1000	300	22-348	1468-001	1W5D1	MW.5-21	1FM-21	AVC Filter
37	5000	450	22-1706	1467-005	1D5D5	MW.5-25	1FM-25	Conv. Plate Decoup.-Cer.
38	5000	450	22-1706	1467-005	1D5D5	MW.5-25	1FM-25	Conv. Screen Byp.-Cer.
39	50	500	22-1367	1469-00005	5R5Q5	MOS.5-45	MS-45	Osc. Grid Cap. "
40	100	500	22-1669	1468-0001	5W5T1	MO.5-31	1FM-31	RF Plate Decoup. "
41	100	500	22-1669	1468-0001	5W5T1	MO.5-31	1FM-31	" " " "
42	30	500	22-1705	1468-000025	5W5Q3	MO.5-43		RF Cathode Byp. "
43	1000	500	22-1676	1468-001	1W5D1	MW.5-21		RF Screen Bypass "
44	19	500	22-1688					Fixed Trimmer "
45	22	500	22-1506					" " "
46	48	500	22-1689					" " "
47	25	500	22-1507	1468-000025	5W5Q25	MO.5-45	1FM-45	Lim. Grid Filter "
113	100	300	22-1669	1468-0001	5W5T1	MO.5-31	1FM-31	FM Line Ant. Coup. "

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA			INSTALLATION NOTES
	RESISTANCE	WATTS	ZENITH PART No.	IRC PART No.	CLAROSTAT PART No.	
48A	1 Meg.	½	63-1588	D13-137	AM-63-Z	Volume Control
B	Shaft		Not Req.	E	KSS-3	Attach to 48A per instructions
C	Switch		" "	41	SW-A	" " " " "

PARTS LIST AND DESCRIPTIONS (Continued)

SPEAKER

ITEM No.	RATINGS		REPLACEMENT DATA			INSTALLATION NOTES
			ZENITH PART No.	JENSEN PART No.	QUAM PART No.	
90	FIELD PM	VC IMP. 3.2Ω	49-641	ST-107† Mod. P5-V	52A21	†Use adaptor baffle
91	CONE DIA. 5-1/8"	VC DIA. 9/16"				
92	FIELD PM	VC IMP. 3.2Ω	49-641	ST-107† Mod. P5-V	52A21	
93	CONE DIA. 5-1/8"	VC DIA. 9/16"				

R F COILS

ITEM No.	USE	DC RES.		REPLACEMENT DATA		
		PRI.	SEC.	ZENITH PART No.	MEISSNER PART No.	
94	Loop Ant.	.1Ω	1Ω	S-14647		
95	Ant.Coil FM	0Ω	0Ω	S-14192		Items 95, 97 and 99 are slug tuned and ganged together.
96	RF Coil BC	2.5Ω	10Ω	S-13974	14-1057	
97	" " FM	0Ω	0Ω	S-13871		
98	Osc.Coil BC		9.8Ω	S-11157	14-1060	
99	" " FM		0Ω	S-12259		
100A	1st IF AM	7.2Ω*	8Ω§	S-13970		*Includes resistance of both primaries. §Includes resistance of both secondaries.
B	" " FM					
101A	2nd IF AM	8.2Ω*	2.2Ω§	S-13971		
B	" " FM					
102A	3rd IF AM	8.5Ω*	7.5Ω	S-13972		
B	" " FM		.8Ω			
103	FM Det.Tran.	.4Ω	.4Ω	S-13973		
104	Tone Choke		2Ω	S-13800		
105	RF Plate Chk.		.2Ω	S-14126		
106	Line Choke		.1Ω	S-12256		
107	" "		.1Ω	S-12256		

DIAL LIGHT

ITEM No.	BASE TYPE	VOLTS	AMPS.	BEAD COLOR	REPLACEMENT DATA		INSTALLATION NOTES
					ZENITH PART No.		
108	Bayonet	6-8	0.25	Blue	100-36		Type #44

MISCELLANEOUS

ITEM No.	PART NAME	ZENITH PART No.	NOTES
109	Switch	85-424	Band
110	"	S-14261	Radiorgan LH
111	"	S-14260	" RH
112	3 Gang Var. Cap.	22-1678	(13-516MMF, 15-213MMF, 15-88MMF)
A21	Trimmer	22-1686	FM Osc. Adj.
A22	"	22-1685	FM RF Adj.
A23	"	22-1685	FM Ant. Adj.
	Dial Glass	192-115	
	Dial Scale	26-396	
	Dial Pointer	59-209	

PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES
	RESISTANCE	WATTS	ZENITH PART No.	IRC PART No.	
49	1 Meg.	½	63-1912	BTS-1 Meg.	Br.-Blk.-Grn. AVC Network
50	68Ω	½	63-1737		Blue-Gray-Blk. RF Cathode
51	33KΩ	1	63-957	BTA-33K	Or.-Or.-Or. RF Screen
52	470Ω	½	63-1771	BTS-470	Yl.-Vi.-Br. RF Plate Decoupling
53	22KΩ	2	63-1566	BT-2-22K	Red-Red-Or. Conv. Screen
54	22KΩ	½	63-1842	BTS-22K	Red-Red-Or. Osc. Grid
55	470Ω	½	63-1772	BTS-470	Yl.-Vi.-Br. Parasitic Suppressor
56	220KΩ	½	63-1884	BTS-220K	Red-Red-Yl. AVC Network
57	2.2 Meg.	½	63-1926	BTS-2.2 Meg.	Red-Red-Grn. " "
58	2200Ω	½	63-1880	BTS-2200	Red-Red-Red Conv. Plate Decoupling
59	68Ω	½	63-1737		Blue-Gray-Blk. 1st IF Cathode
60	33KΩ	1	63-957	BTA-33K	Or.-Or.-Or. 1st IF Screen
61	2200Ω	½	63-1800	BTS-2200	Red-Red-Red 1st IF Plate Decoupling
62	68Ω	½	63-1737		Blue-Gray-Blk. 2nd IF Cathode
63	22KΩ	½	63-1841	BTS-22K	Red-Red-Or. 2nd IF Screen
64	2200Ω	½	63-1800	BTS-2200	Red-Red-Red 2nd IF Plate Decoupling
65	47KΩ	½	63-1856	BTS-47K	Yl.-Vi.-Or. Diode Filter
66	220KΩ	½	63-1884	BTS-220K	Red-Red-Yl. Diode Load
67	100KΩ	½	63-1870	BTS-100K	Br.-Blk.-Yl. Limiter Grid
68	8200Ω	½	63-1824	BTS-8200	Gray-Red-Red Limiter Plate Decoupling
69	3900Ω	½	63-1810	BTS-3900	Or.-White-Red Limiter Plate Bleeder
70	22KΩ	2	63-1566	BT-2-22K	Red-Red-Or. Limiter Decoupling
71	150KΩ	½	63-1876	BTS-150K	Br.-Grn.-Yl. Disc. Diode Load
72	150KΩ	½	63-1876	BTS-150K	Br.-Grn.-Yl. " " "
73	33KΩ	½	63-1848	BTS-33K	Or.-Or.-Or. De-emphasis Network
74	100KΩ	½	63-1869	BTS-100K	Br.-Blk.-Yl. " "
75	15 Meg.	½	63-1961	BTS-15 Meg.	Br.-Grn.-Grn. AF Grid
76	220KΩ	½	63-1883	BTS-220K	Red-Red-Yl. AF Plate Load
77	100KΩ	½	63-1870	BTS-100K	Br.-Blk.-Yl. AF Plate Decoup.
78	470KΩ	½	63-1897	BTS-470K	Yl.-Vi.-Yl. Output Grid
79	270Ω	1	63-1369	BW-1-270	Red-Vi.-Br. Output Cathode
80	3900Ω	½	63-1810	BTS-3900	Or.-White-Red Tone Compensation
81	390Ω	½	63-1768	BW-½-390	Or.-White-Br. " "
82	4700Ω	½	63-1813	BTS-4700	Yl.-Vi.-Red " "
83	680Ω	½	63-1778	BTS-680	Blue-Gray-Br. " "
84	33Ω	½	63-1722	BW-½-33	Or.-Or.-Blk. " "
85	33Ω	½	63-1722	BW-½-33	Or.-Or.-Blk. " "
86	1.5 Meg.	½	63-1918	BTS-1.5 Meg.	Br.-Grn.-Grn. " "
87A	1000Ω	½	63-1589	AB-1000	Filter
B	200Ω	½		AB-200	"
114	22KΩ	½	63-1841	BTS-22K	Red-Red-Or. FM RF Coil Shunt

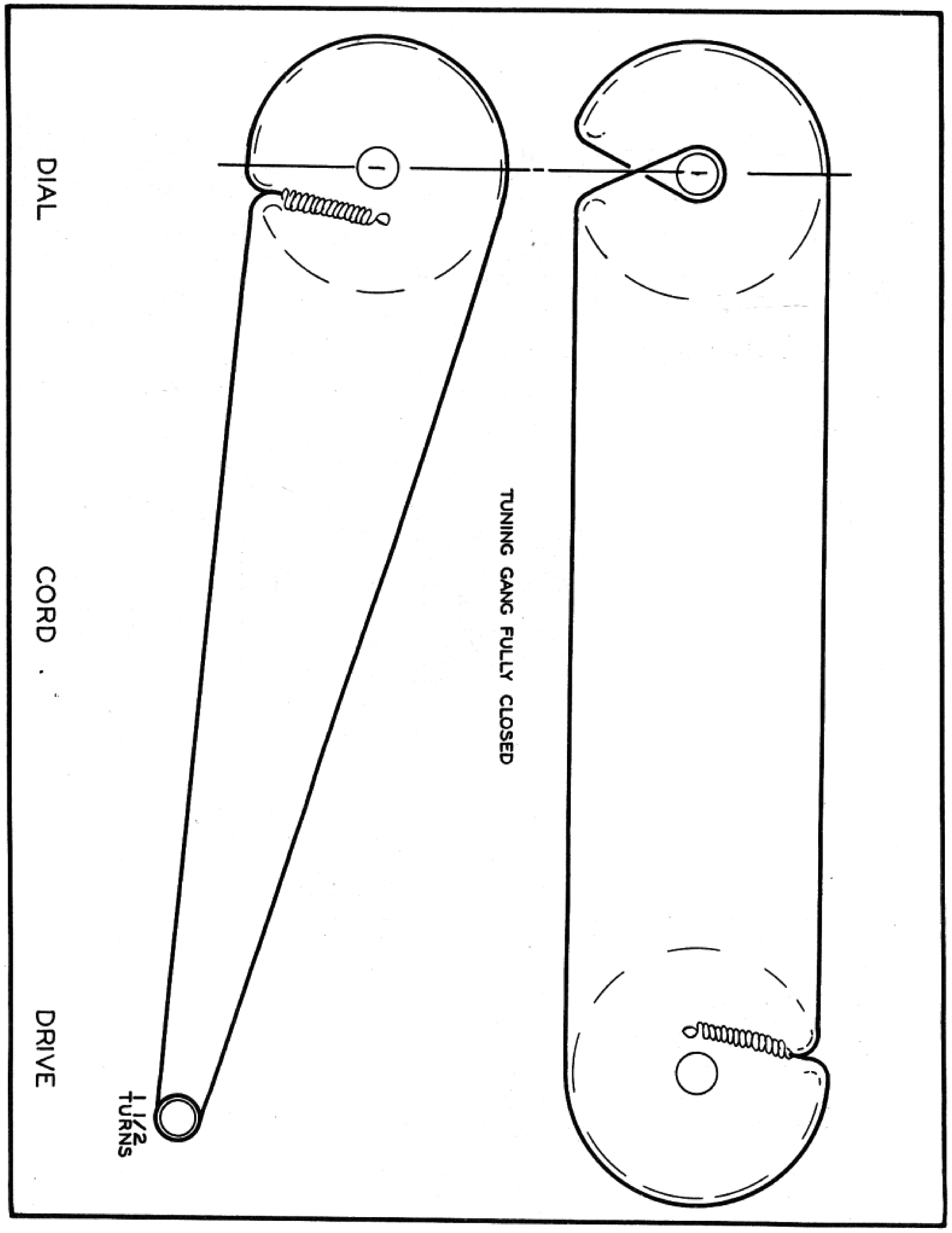
TRANSFORMER (POWER)

ITEM No.	RATING				REPLACEMENT DATA			
	PRI.	SEC. 1	SEC. 2	SEC. 3	ZENITH PART No.	STANCOR PART No.	THORDARSON PART No.	MERIT PART No.
88	117V AC @ .75A	680V CT .105ADC	5.4V AC @ 2.0A	6.6V AC @ 2.6A	95-1062	P-6013#‡	T22R32#	

#Drill new mounting holes.
‡Mount vertically with universal mounting b ackets.

TRANSFORMER (OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA				INSTALLATION NOTES
	IMPEDANCE		DC RES.						
	PRI.	SEC.	PRI.	SEC.	ZENITH PART No.	STANCOR PART No.	THORDAR'N PART No.	MERIT PART No.	
89	5000Ω	3.2Ω tapped @ .47Ω	610Ω	.6Ω tapped @ .47Ω	95-1096	A-3849		A-2902	



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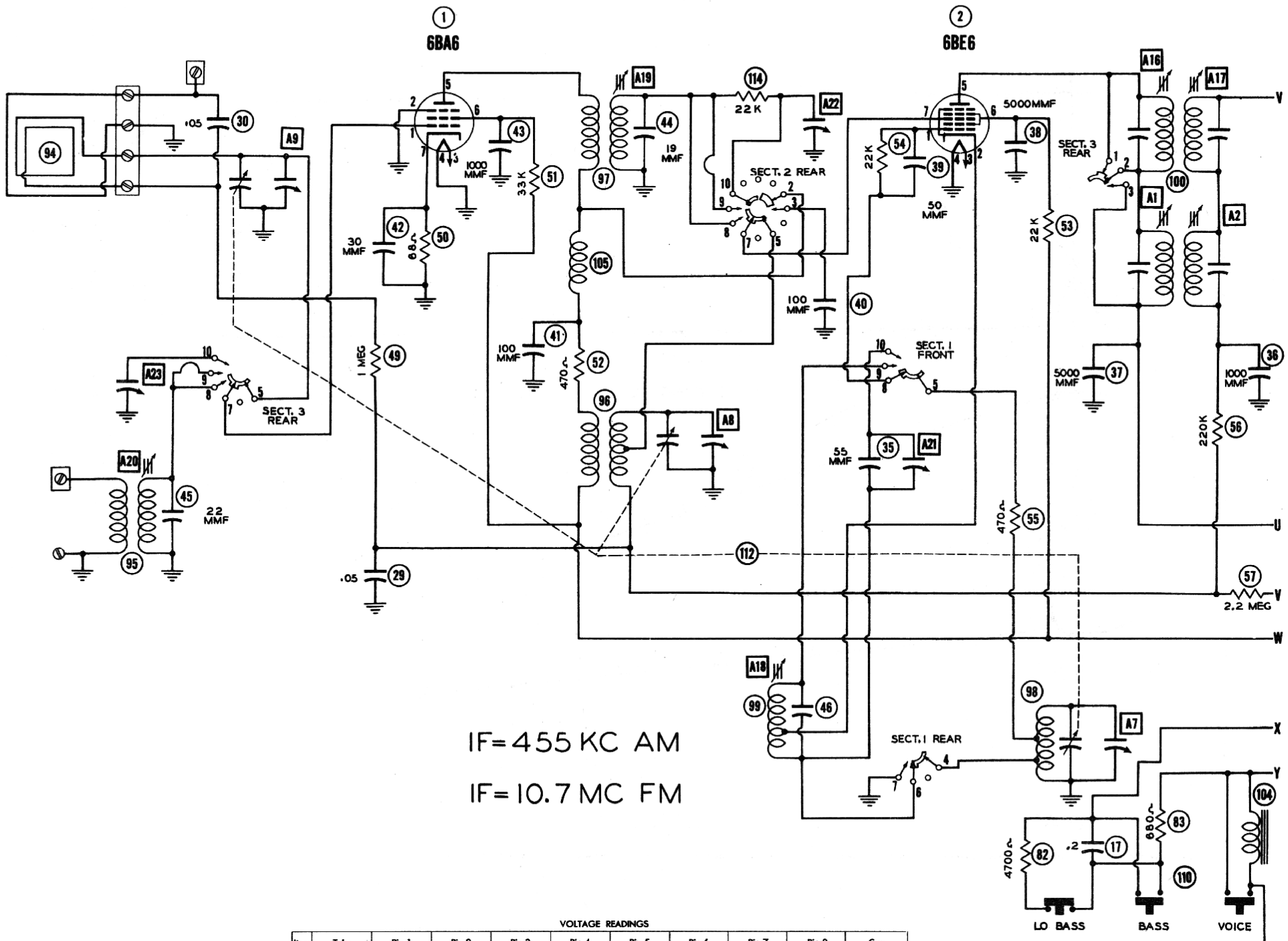

IF=455 KC AM

IF=10.7 MC FM

VOLTAGE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Cap
1	6BA6	OV.	OV.	6.6VAC	OV.	250VDC	120VDC	.9VDC	-	-
2A	6BE6	-4.7VDC§	OV.	6.6VAC	OV.	250VDC	95VDC	-.1VDC	-	-
‡ 2B	6BE6	-5.1VDC§	OV.	6.6VAC	OV.	250VDC	100VDC	OV.	-	-
3	6BA6	-.1VDC	OV.	6.6VAC	OV.	235VDC	130VDC	.9VDC	-	-
4	6AU6	OV.	OV.	6.6VAC	OV.	235VDC	165VDC	.9VDC	-	-
‡ 5	6AU6	-.5VDC	OV.	6.6VAC	OV.	24VDC	70VDC	OV.	-	-
6	6T8	-1VDC	-9.4VDC	-3.1VDC	OV.	6.6VAC	-.8VDC	OV.	-.8VDC	75VDC
7	6V6GT	OV.	6.6VAC	290VDC	260VDC	OV.	285VDC	OV.	12VDC	-
8	5Y3GT	OV.	340VDC	195VDC	340VAC	OV.	340VAC	6.6VAC	340VDC	-

§TAKEN WITH VACUUM TUBE VOLTMETER.

RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Cap
1	6BA6	3.4 Meg.	0Ω	.1Ω	0Ω	30KΩ	65KΩ	68Ω	-	-
2A	6BE6	22KΩ	.8Ω	.1Ω	0Ω	33KΩ	55KΩ	2.4 Meg.	-	-
‡ 2B	6BE6	22KΩ	0Ω	.1Ω	0Ω	33KΩ	55KΩ	0Ω	-	-
3	6BA6	3 Meg.	0Ω	.1Ω	0Ω	35KΩ	65KΩ	68Ω	-	-
4	6AU6	2.2Ω	0Ω	.1Ω	0Ω	35KΩ	55KΩ	68Ω	-	-
‡ 5	6AU6	100KΩ	0Ω	.1Ω	0Ω	4KΩ	12KΩ	0Ω	-	-
6	6T8	180KΩ	180KΩ	360KΩ	0Ω	.1Ω	270KΩ	0Ω	15 Meg.	350KΩ
7	6V6GT	0Ω	.1Ω	30KΩ	30KΩ	470KΩ	34KΩ	0Ω	270Ω	-
8	5Y3GT	INF.	30KΩ	130KΩ	100Ω	INF.	100Ω	.1Ω	30KΩ	-

‡TAKEN IN FM100 POSITION.

RESISTANCE READINGS IN THE B+ CIRCUITS MAY VARY WIDELY
ACCORDING TO THE CONDITION OF THE FILTER CAPACITORS

THE COOPERATION OF THE MANUFACTURER OF THIS
RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

1. **DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 ohms per volt.**
2. **Socket connections are shown as bottom views.**
3. **Measured values are from socket pin to common negative.**
4. **Line voltage maintained at 117 volts for voltage readings.**
5. **Nominal tolerance on component values makes possible a variation of ± 10% in voltage and resistance readings.**
6. **Volume control at maximum, no signal applied for voltage measurements.**

A PHOTOFACT STANDARD NOTATION SCHEMATIC

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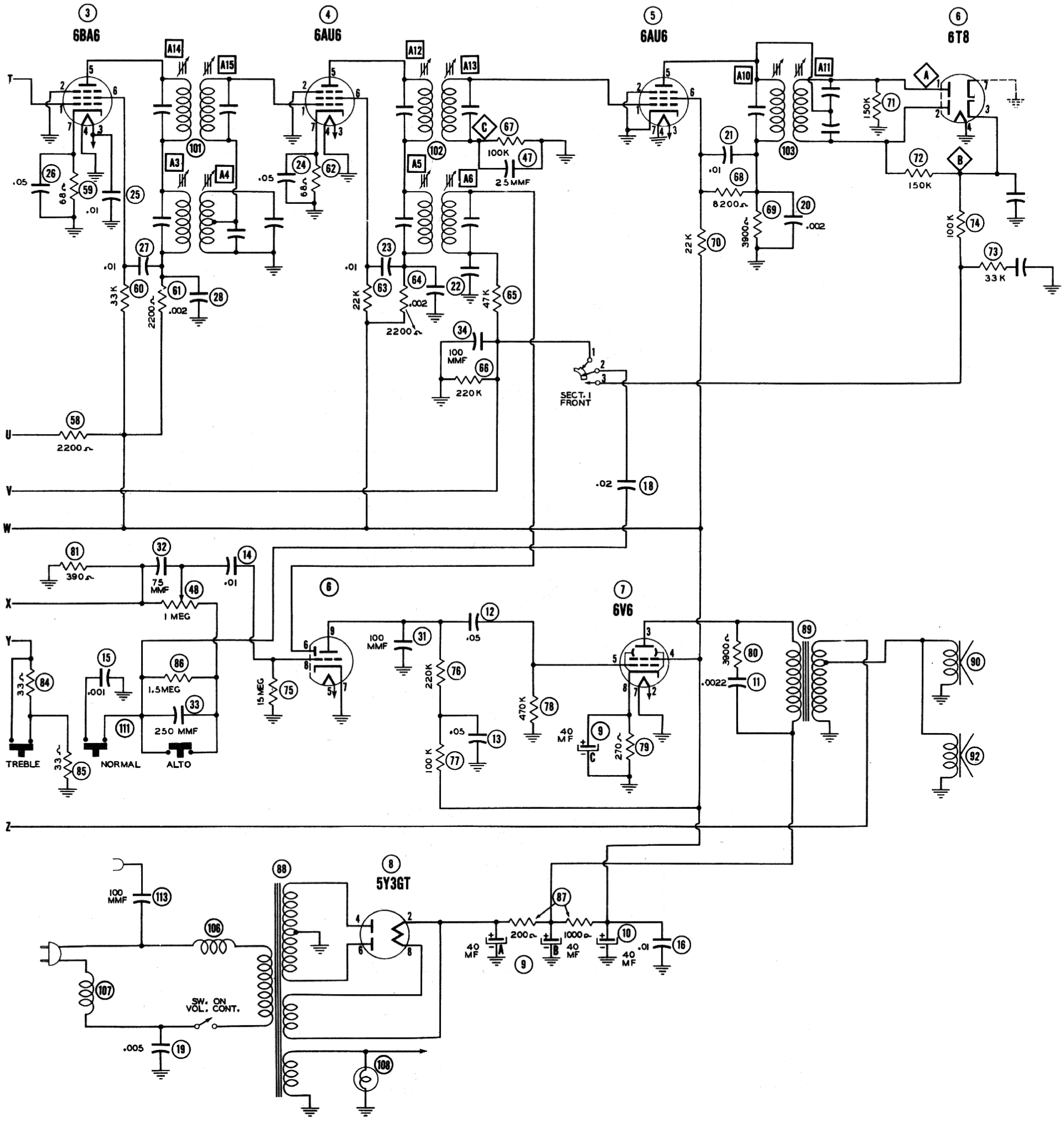

STAGE GAIN MEASUREMENTS

ANTENNA TO RF GRID	10X	600KC	2nd IF TRANS.	.9X	455KC
RF GRID TO CONVERTER GRID	7X	600KC	2nd IF TUBE	200X	455KC
CONVERSION GAIN	14X	IN 600KC OUT 455KC	OUTPUT IF TRANSFORMER	.3X	455KC
			AUDIO	35X	400 ∿
1st IF TRANS.	.4X	455KC	OUTPUT	25X	400 ∿
1st IF TUBE	100X	455KC			

The stage gain measured values listed above are approximate values for an average operative stage, rather than an absolute value. It should be borne in mind that it is possible to introduce so many variables into the measurement operation, such as, type of equipment used for measuring, handling and placement of probes, the accuracy of alignment, etc., that an absolute reading is impractical. AVC is made inoperative and 3-volt battery bias substituted for measurement.

A PHOTOFACT STANDARD NOTATION SCHEMATIC

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ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

To set pointer turn tuning cap. fully closed and set pointer to last reference mark at low freq. end of dial.

The alignment slugs in IF Transformers are threaded and screw into the core forms. Care should be exercised in making adjustments as too much pressure will strip the threads and make alignment impossible. Use insulated alignment screwdriver for all adjustments.

AM ALIGNMENT

Loop should be maintained in same relative position to chassis as when receiver is in cabinet. Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1	.05 MFD	High side to Pin 7 (grid) of 6BE6. Low side to chassis.	455KC	AM (Fully counter clock-wise)	Tuning cap. fully closed	Across voice coil	A1,A2, A3,A4, A5,A6	Adjust for maximum output.
2		Loop	1600KC	"	1600KC	"	A7	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
3		"	1400KC	"	Tune for maximum output.	"	A8,A9	Adjust for maximum output.

FM IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE

Use frequency modulated signal with 60 ∿ modulation and 450KC sweep. Use 120 ∿ sawtooth voltage in scope for horizontal deflection.

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	CONNECT SCOPE	ADJUST	REMARKS
4	.01 MFD	High side to Pin 1 (grid) of 6BA6 1st IF Tube (3). Low side to chassis.	10.7MC (Freq. Mod.)	FM45 (fully clock-wise)	Tuning control fully clockwise	Vertical input to Point C. Ground to chassis.	A12, A13, A14, A15	Adjust for maximum amplitude, symmetry and coincidence of pattern per Fig. 1.
5	.01 MFD	High side to Pin 7 (grid) of 6BE6. Low side to chassis.	"	"	"	"	A16, A17	"
6	.01 MFD	High side to Pin 1 (grid) of 6BA6 1st IF Tube (3). Low side to chassis.	"	"	"	Vertical input to Point B. Ground to chassis.	A10, A11	Alternately adjust A10 for maximum amplitude and straightness of crossover lines and A11 for occurrence of crossover Point at center of pattern per Fig. 2. Continue with FM RF Alignment in Step 9.

FM IF ALIGNMENT USING AM SIGNAL GENERATOR, VTVM & OUTPUT METER

Lead from VTVM should be shielded.

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	CONNECT VTVM	ADJUST	REMARKS
4	.05 MFD.	High side to Pin 1 (Grid) of 6AU6 Limiter Tube (5). Low side to chassis.	10.7MC (Unmodulated)	FM45 (Fully clock-wise)	Tuning control fully clockwise.	DC probe in series with 200KΩ resistor to Point A. Common to chassis.	A10	Adjust for maximum deflection.
5	.05 MFD.	"	"	"	"	DC probe in series with 200KΩ resistor to Point B. Common to chassis.	A11	Use zero center scale meter if available. Increase signal input to obtain good positive and negative deflection before adjusting A11 for zero deflection.
6	.05 MFD	High side to Pin 1 (grid) of 6AU6 2nd IF Tube (4). Low side to chassis.	10.7MC (Unmodulated)	FM45 (Fully clock-wise)	Tuning control fully clockwise.	DC probe in series with 200KΩ resistor to Point C. Common to chassis.	A12, A13	Adjust for maximum deflection.
7	.05 MFD	High side to Pin1(grid) of 6BA6 1st IF Tube (3). Low side to chassis.	"	"	"	"	A14, A15	" " " "
8	.05 MFD	High side to Pin 7 (grid) of 6BE6. Low side to chassis.	"	"	"	"	A16, A17	Adjust for maximum deflection. Continue with FM RF Alignment in Step 9.

FM RF ALIGNMENT

Loosen Osc., Det. and RF Coil Slugs by applying a hot iron to the cement.

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	CONNECT VTVM	ADJUST	REMARKS
9	270Ω carbon res.	High side to FM ant. terminal. Low side to chassis. Disconnect line antenna.	98MC (Unmodulated)	FM100 (Center position)	98MC	DC probe in series with 200KΩ resistor to Point C. Common to chassis.	A18	Adjust for maximum deflection.
10	"	"	"	"	Tune for maximum deflection.	"	A19, A20	Rock tuning control and adjust for maximum deflection. Secure tuning slugs with speaker cement.
11	"	"	45MC (Unmodulated)	FM45 (Fully clock-wise)	45MC	"	A21	Adjust for maximum deflection.
12	"	"	"	"	Tune for maximum deflection.	"	A22, A23	Rock tuning control and adjust for maximum deflection.

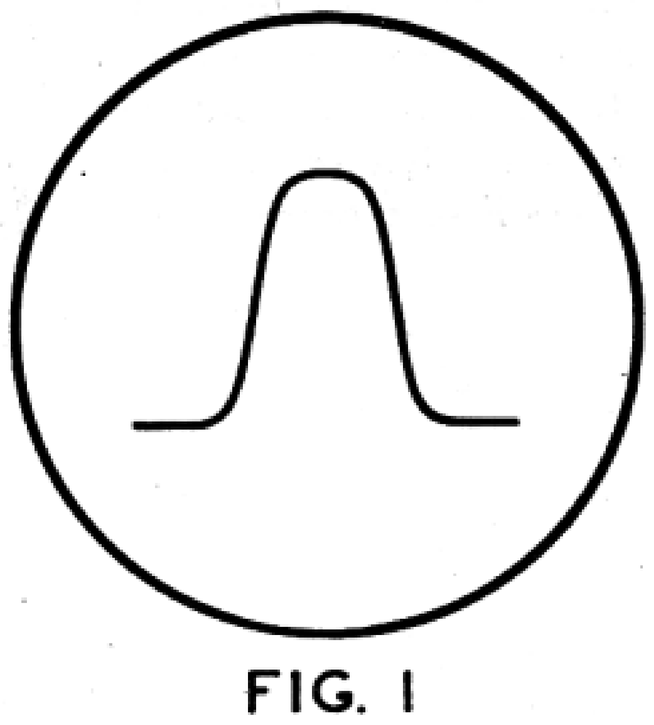

FIG. I

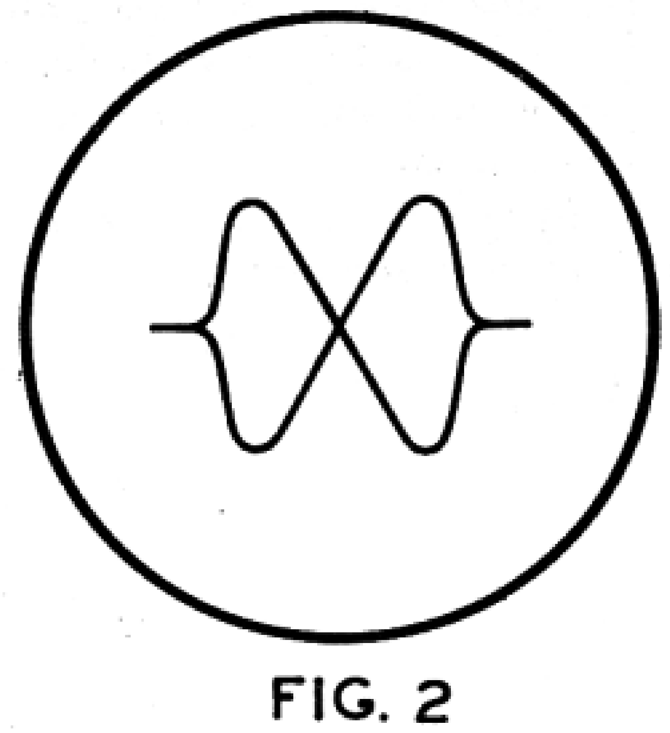

FIG. 2

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